

# **PATHWAYS FLIGHT ACADEMIES**

**LAUNCHING CAREERS IN AVIATION FOR  
VIRGINIA HIGH SCHOOL STUDENTS**

# PATHWAYS FLIGHT ACADEMIES

## LAUNCHING STUDENTS FOR CAREERS IN AVIATION

The demand for aviation jobs is extremely high. Sixty thousand new U.S. pilots will be needed in the next 15 years as well as 10,000 new U.S. air traffic controllers and 480,000 new aviation maintenance technicians worldwide by 2026.

In response to the national shortage of airline pilots, the Virginia General Assembly funded the Pathways Flight Academies for high school students statewide to allow students to explore the career field of aviation while learning to fly.



### FLIGHT ACADEMIES

- Funded by the Commonwealth of VA, Academies are at No Cost to the Student
- 24 Students will be Accepted
- 6 Students Per Session
- 3 Sessions at Liberty - Lynchburg, VA
- 1 Session at Averett - Danville, VA

### PARTNERS

- Virginia Space Grant Consortium
- Commonwealth of VA
- Liberty University
- Averett University
- Virginia Department of Aviation



# THE SKY IS THE LIMIT!

## ON THE ROAD TO ATTAINING THEIR PRIVATE PILOT'S CERTIFICATE

### Eligibility

- U.S. Citizen, Virginia resident, 16 years old by the start of the academy, 3.0 GPA, Pass the FAA flight physical

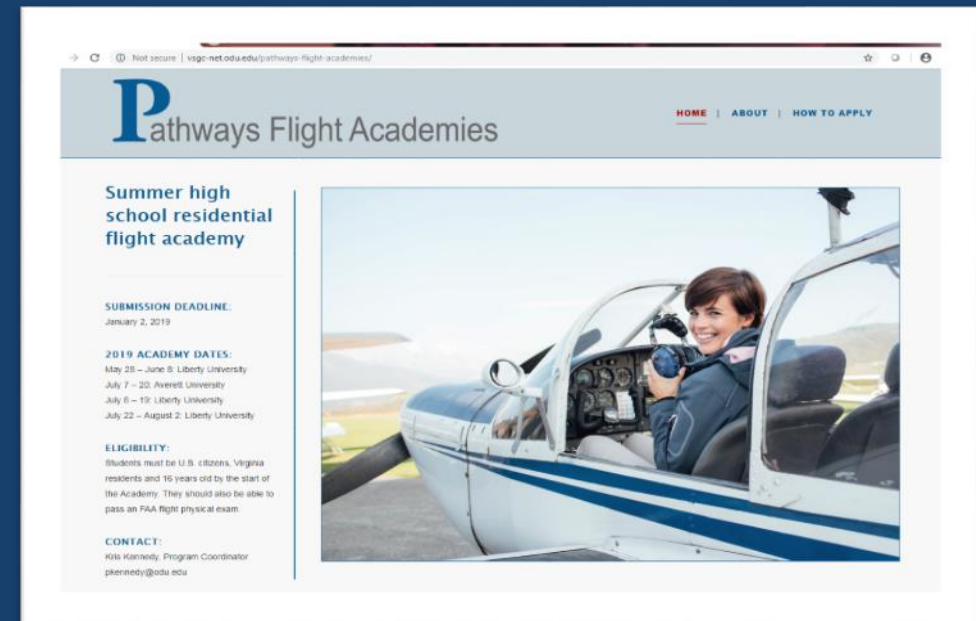
### Liberty University and Averett University

- Established Flight Training Programs
- FAA-Approved part 141 Flight Schools
- University Student Counselors
- Meals and In-Dorm Residence During Academy

### GOAL

Provide opportunities to high school students to participate in immersive ground and flight training through the solo experience, while exposing them to a full range of aviation careers.

**Website:** 3,861 views since November 8!



[www.vsgc.odu.edu/pathways-flight-academies](http://www.vsgc.odu.edu/pathways-flight-academies)

# THE SKY IS THE LIMIT!

## HIGH SCHOOL STUDENTS CAN ACHIEVE THEIR FIRST SOLO FLIGHT EXPERIENCE

### Beginning Summer 2019

- Four Summer Sessions:
  - Session 1 May 28 - June 8
  - Session 2 July 7 - July 20
  - Session 3 July 8 - July 19
  - Session 4 July 22 - August 2
- Two-week Residential Flight Academies
- Ground School Training
- Flight Time in Simulator and Airplane
- Culminates with Solo Flight

### Application and Acceptance

- Application Closes January 25<sup>th</sup>
- Panel Review – February 11<sup>th</sup> & 12<sup>th</sup>
  - Representatives from Liberty, Averett, VA Dept. of Aviation, VSGC & Denbigh Aviation Academy



### INITIAL REACTION

❖ *Overwhelmingly Positive Response From All!*



# Typical Daily Flight Academy Schedule

- 0700-0745: Breakfast
- 0745-0800: Travel to Airport for Class
- 0800-1200:
  - ✓ Plane, Simulator, Ground School
- 1200-1300: Lunch
- 1300-1715:
  - ✓ Plane, Simulator, Ground School
- 1715-1730: Travel to Main Campus
- 1730-1830: Dinner
- ❖ 1830-2030: Evening Aviation Activity
- 2030-2130: Study time
- 2130-2230: Free time
- 2230: Curfew
- ❖ UAS Introduction, Aviation Maintenance Introduction, Tower Tour, On-Campus Events

# Private Pilot's Certificate Next Steps

## Flight Academy Outcomes

- ✓ Attain Student Pilot Certificate
- ✓ Complete 10 Hours Of Flight Time plus Solo.
- ✓ Prepare for FAA Knowledge Exam (King course)
- ✓ Mentoring - Outline and identify next steps for attaining private pilot's certificate (finding a flight school and instructor and scheduling exams when ready).

## Private Pilot Certificate

- Private Pilot Certificate Requirements:
  - Must be 17 years of age
  - Speak English
  - Meet flight experience requirements – 40 hours.
  - Pass the FAA Knowledge Exam
  - Pass the FAA Practical Exam (Checkride)

# Funding Constraints

- BUDGET

- \$100,000 allocated by General Assembly for Fiscal Year 2019, July 1 2018 through June 30, 2019

- SHORTFALL - The Virginia Space Grant Consortium is seeking additional funding to cover the following costs for the Summer 2019 Flight Academy.

- \$5,400 – Provide the online King pilot training course for Academy use and to help students move toward their private pilot's license and passing the FAA Knowledge exam.
- \$2,880 – Cover the cost of the mandatory FAA Medical Certificate for summer 2019 participants.

